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(54) Title: **SYSTEM AND METHOD FOR DETECTION OF MOBILE OPERATING THROUGH A REPEATER**

(57) Abstract: A system and method for a network analysis system operating in a wireless communication system with repeaters is disclosed. Embodiments of the system and method enable the network analysis system to determine if signals being received by the network receivers arrive directly from a target mobile appliance or if the signals are passing through a repeater. The repeaters through an augmentation measure attribute of a received signal to a network manager and based on these attributes it is determine whether the signal is served by a repeater or other network device.

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